

**CHM 3218, Section 0809 (11360), Bioorganic Chemistry 2**  
**CHM 5305, Section 6739 (11452), Chemistry of Biological Molecules**

**Fall 2020**

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<b>Professor</b>	Jon D. Stewart Office: 102 Leigh Hall Phone: 352.846.0743 E-mail: <a href="mailto:jds2@chem.ufl.edu">jds2@chem.ufl.edu</a>
<b>Lectures</b>	On-line, delivered asynchronously <i>via</i> Canvas
<b>Office hours</b>	Monday, 12:30 – 1:30 p.m., Drew Gill, <i>via</i> Zoom Tuesday, 11:00 a.m. – 12:00 p.m., Dr. Stewart, <i>via</i> Zoom Tuesday, 4:30 – 5:30 p.m., Dr. Stewart, <i>via</i> Zoom Wednesday, 4 <sup>th</sup> period (10:40 – 11:30 a.m.), Ahram Kim, <i>via</i> Zoom Wednesday, 12:30 – 1:30 p.m., Drew Gill, <i>via</i> Zoom Thursday, 11:00 a.m. – 12:00 p.m., Dr. Stewart, <i>via</i> Zoom Friday, 4 <sup>th</sup> period (10:40 – 11:30 a.m.), Ahram Kim, <i>via</i> Zoom
<b>Teaching Assistants</b>	Drew Gill ( <a href="mailto:drewgill@ufl.edu">drewgill@ufl.edu</a> ) Ahram Kim ( <a href="mailto:ahramkim@chem.ufl.edu">ahramkim@chem.ufl.edu</a> )
<b>Course Objectives</b>	This class covers all of the material commonly found in undergraduate biochemistry courses, with a special emphasis on using concepts from organic and physical chemistry to help students better understand biological chemistry. Topics will include amino acids and proteins, enzyme structure, mechanisms and kinetics, primary metabolism, and nucleic acid structure and metabolism.
<b>Prerequisites</b>	CHM 3217 or CHM 2211 or permission of the instructor.
<b>Grading</b>	Three examinations (100 points each) will be scheduled during the semester ( <b>7:00 – 9:00 p.m. on October 8, November 5 and November 23</b> ). The final examination on <b>December 17</b> (3:00 – 5:00 p.m.) (100 points) will be comprehensive, although it will concentrate (approximately 50%) on material presented after the third in-class examination. No make-up exams will be offered. After each exam, approximate letter grade distributions will be posted so that you will have a feel for your performance relative to others in the class as the semester progresses. The lowest grade from exams 1 - 3 will be dropped before calculating your final grade (you may not drop the final exam score). Your final letter grade will be calculated in two ways:  1) Points method. After dropping the exam score (from tests 1, 2 or 3) with the lowest number of points, the remaining two scores will be added together with the final exam score and compared to the distribution of total points for the class in order to assign a final letter grade. The class-wide mean of grades assigned by this method will be at the B- / C+ border.  2) Letter grade method. After dropping the lowest exam letter grade (from tests 1, 2 or 3), the remaining two letter grades will be averaged with that from the final exam by assigning points in the following

manner: A = 4.00, A - = 3.67, B + = 3.33, B = 3.00, B - = 2.67, C + = 2.33, C = 2.00, C - = 1.67, D + = 1.33, D = 1.00, D - = 0.67, E = 0.00. The three best values will be averaged, then the following scheme will be used to convert this to the final course grade:

3.85 - 4.00 = A  
3.51 - 3.84 = A -  
3.18 - 3.50 = B +  
2.85 - 3.17 = B  
2.51 - 2.84 = B -  
2.18 - 2.50 = C +  
1.85 - 2.17 = C  
1.51 - 1.84 = C -  
1.17 - 1.50 = D +  
0.84 - 1.16 = D  
0.51 - 0.83 = D -  
<0.51 = E

For example, if your three best exam letter grades are A, A and A-, your average would be  $(4.00 + 4.00 + 3.67) / 3 = 3.89$ , which is an A.

*Whichever method (#1 or #2) gives you a higher grade will be used to calculate the letter grade reported to the Registrar.*

Current UF grading policies can be found at <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.

**Required Textbook**

*Lehninger Principles of Biochemistry*, Sixth or Seventh Edition, Nelson, D. L. and Cox, M. M.

**Class Attendance**

While attendance is voluntary, the lectures are an essential component of the experience for this class. Readings from the textbook serve as a starting point and the classroom lectures will explain and expand upon this material. Excused absences are consistent with university policies in the undergraduate catalog (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>) and require appropriate documentation.

**Make-Up Work**

Since students are allowed to drop an exam score, no make-up exams will be scheduled.

**Course Evaluation**

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under

GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

**Class Demeanor**

Students are expected to arrive to class on time and behave in a manner that is respectful to the instructor and to fellow students. Please avoid the use of cell phones and restrict eating to outside of the classroom. Opinions held by other students should be respected in discussion, and conversations that do not contribute to the discussion should be held at minimum, if at all.

**Lecture Schedule**

A tentative schedule of lectures is available at the course e-Learning site (<http://lss.at.ufl.edu>).

**Academic Honesty**

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

**Students with Disabilities**

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

**Privacy Statement**

Our class sessions may be audio-visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate verbally are agreeing to have their voices recorded.

If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared.

As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

**Additional Information**

Your well-being is important to the University of Florida. The *U Matter, We Care* initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) so that the *U Matter, We Care* Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The *U Matter, We Care* Team can help connect students to the many other helping resources available including, but not limited to,

Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.